WEEK 2- SLF4J -HANDS ON - EXERCISES

**Exercise 1: Logging Error Messages and Warning Levels**

**Task:** *Write a Java application that demonstrates logging error messages and warning levels using SLF4J.*

**Steps:**

1. *Add SLF4J and Logback dependencies to your `pom.xml` file:*

**Pom.xml**

project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0

http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>slf4j-logging-demo</artifactId>

<version>1.0-SNAPSHOT</version>

<name>SLF4J Logging Demo</name>

<dependencies>

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

</project>

1. *Create a Java class that uses SLF4J for logging:*

**LoggingExample.java**

package com.example;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

private static final Logger logger = LoggerFactory.getLogger(LoggingExample.class);

public static void main(String[] args) {

logger.error("This is an error message");

logger.warn("This is a warning message");

}

}

**OUTPUT:**

